

## ABSTRACT

The present invention relates to methods of inducing ovulation in a female  
5 host comprising the administration of a non-polypeptide cyclic adenosine  
monophosphate (cAMP) level modulator to the female host. In another  
aspect, the invention provides for specific administration of the  
phosphodiesterase inhibitor prior to the luteal phase of the host's ovulatory  
cycle. Preferred non-polypeptide cAMP level modulator include  
10 phosphodiesterase inhibitors, particularly inhibitors of phosphodiesterase 4  
isoforms.

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